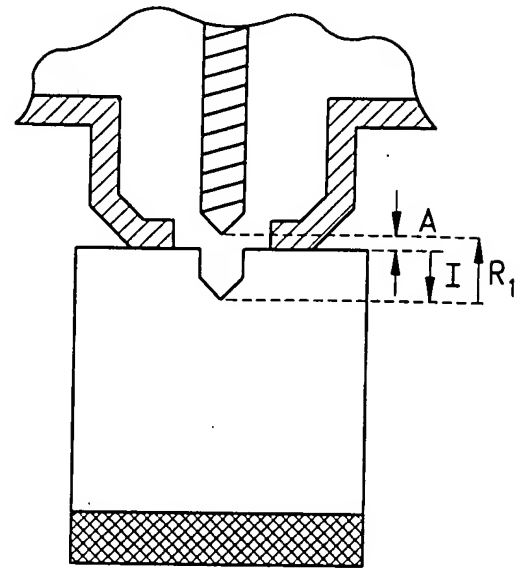
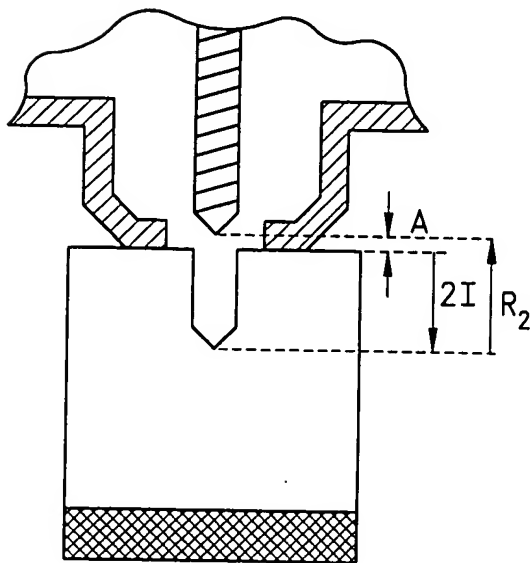


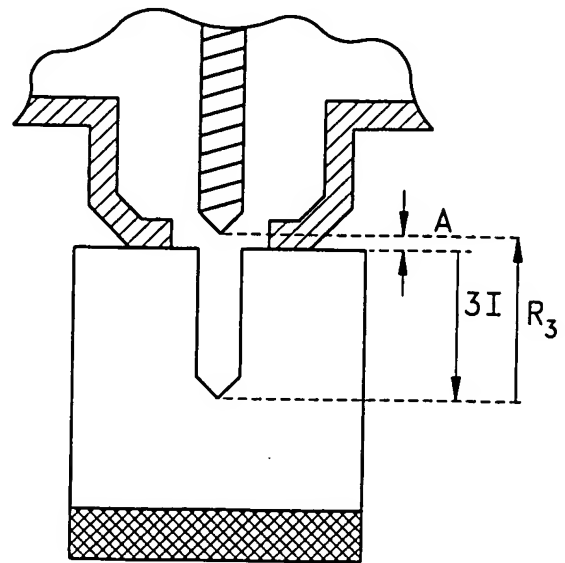
**FIG. 1A**  
 (PRIOR ART)



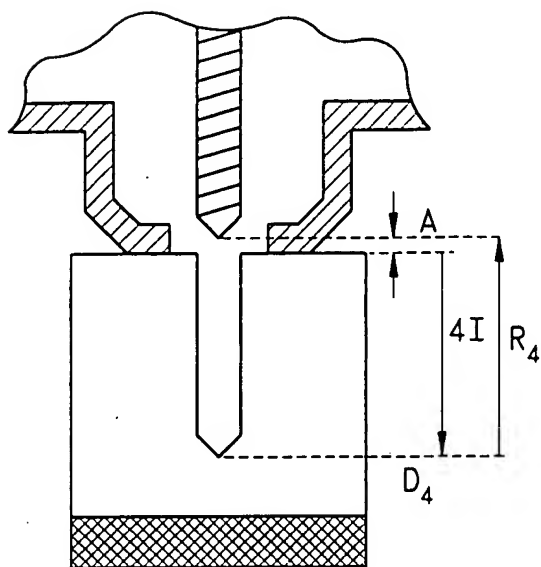
**FIG. 1B**  
 (PRIOR ART)



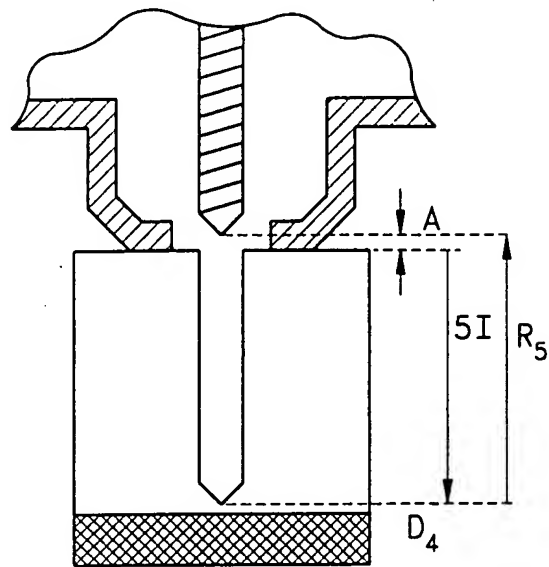
**FIG. 1C**  
 (PRIOR ART)



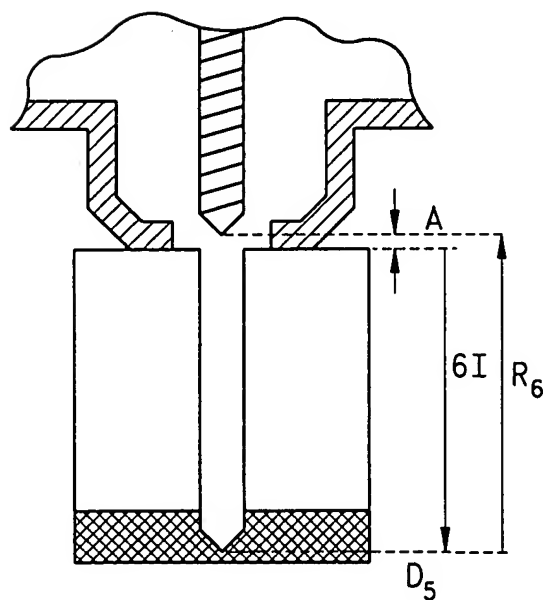
**FIG. 1D**  
 (PRIOR ART)



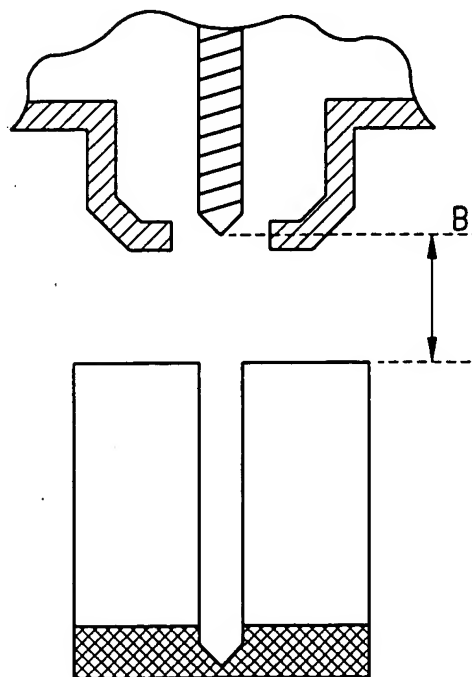
*FIG. 1E*  
(PRIOR ART)



*FIG. 1F*  
(PRIOR ART)



*FIG. 1G*  
(PRIOR ART)



*FIG. 1H*  
(PRIOR ART)

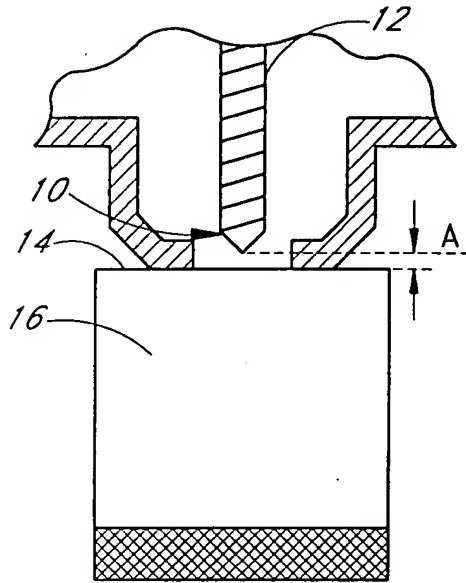


FIG. 2A

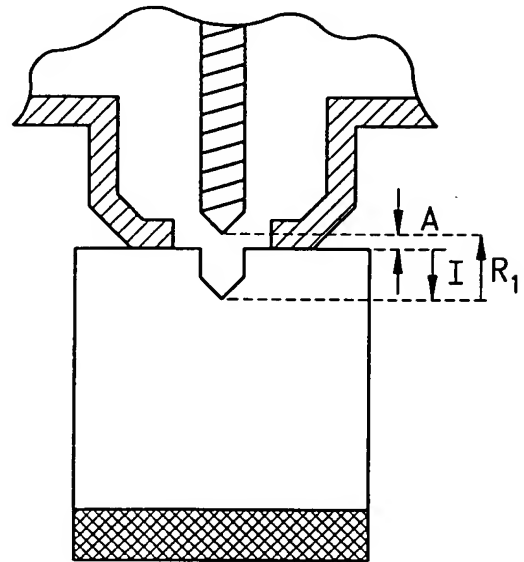


FIG. 2B

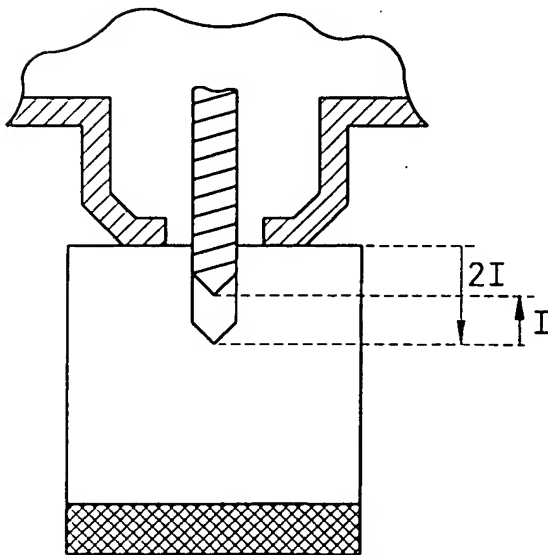


FIG. 2C

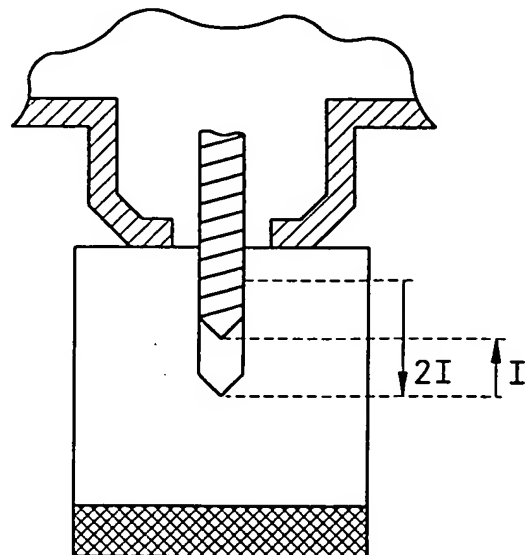


FIG. 2D

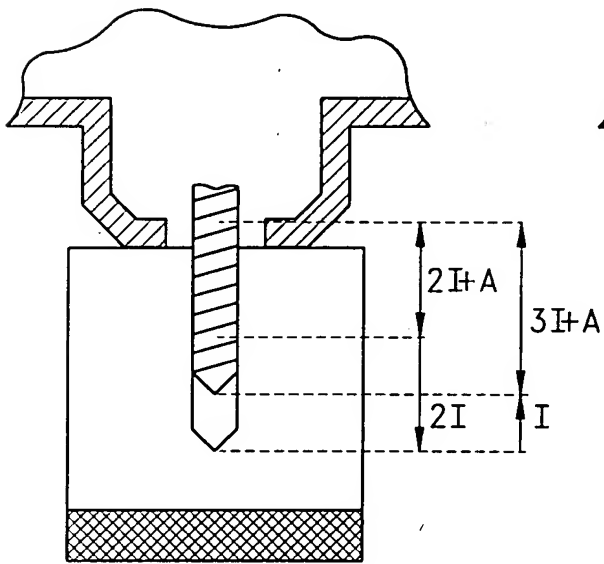


FIG. 2E

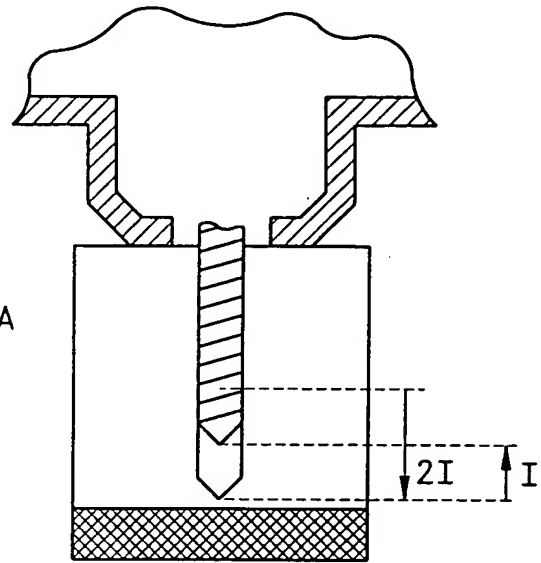


FIG. 2F

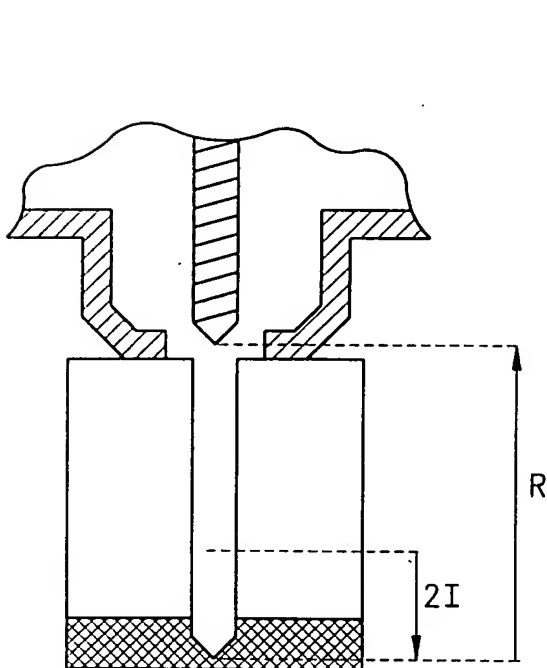


FIG. 2G

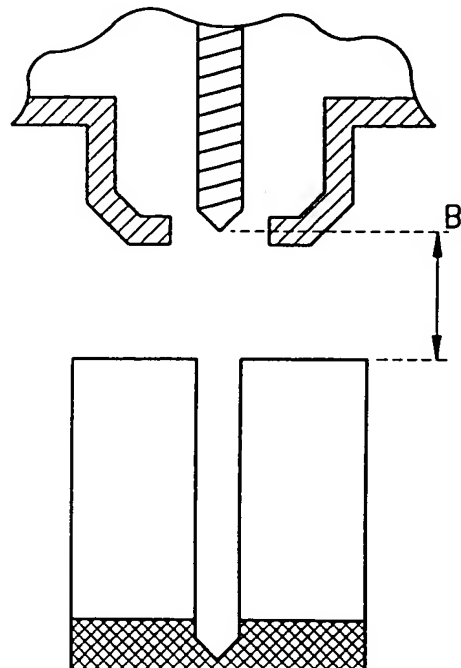


FIG. 2H

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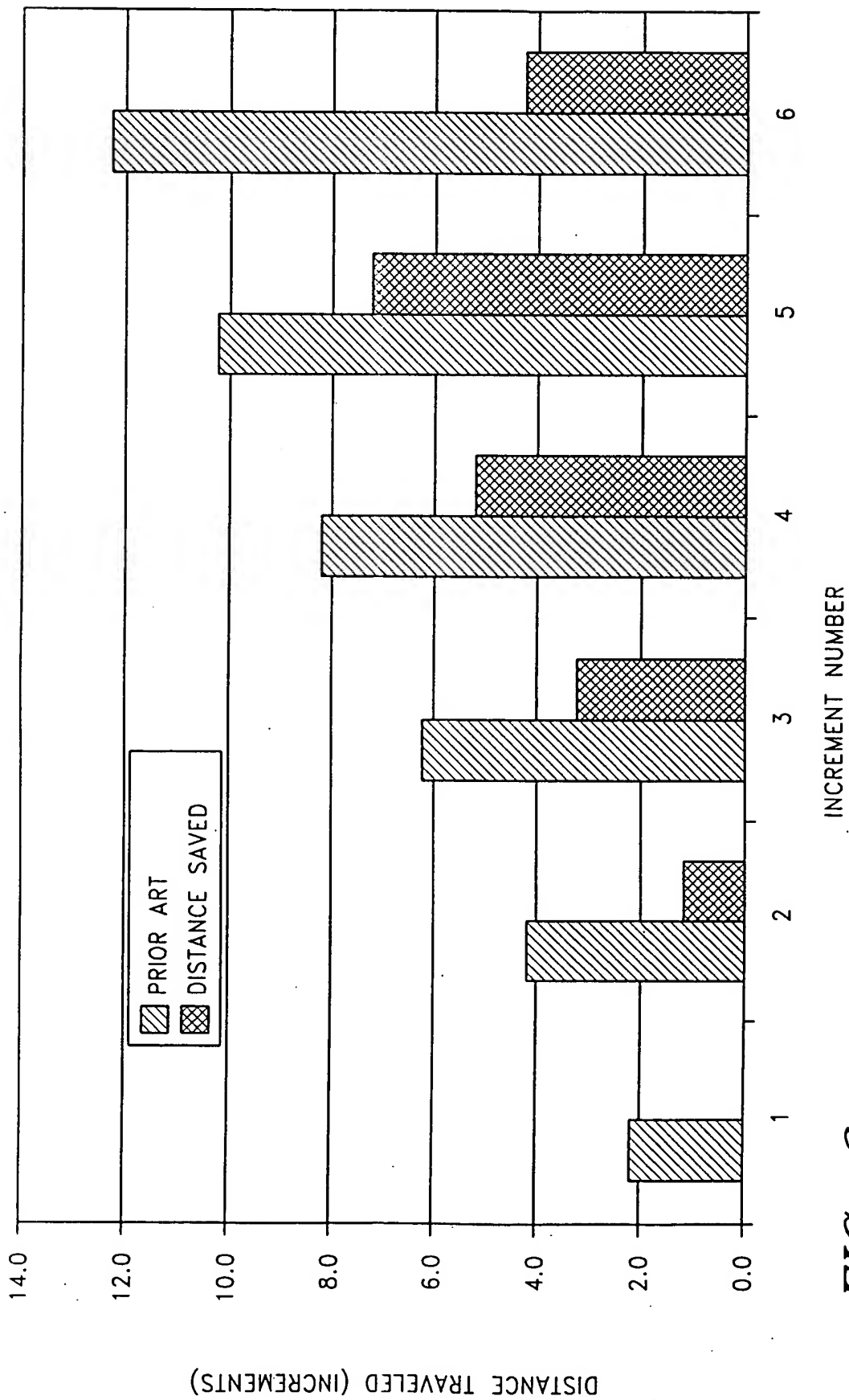


FIG. 3

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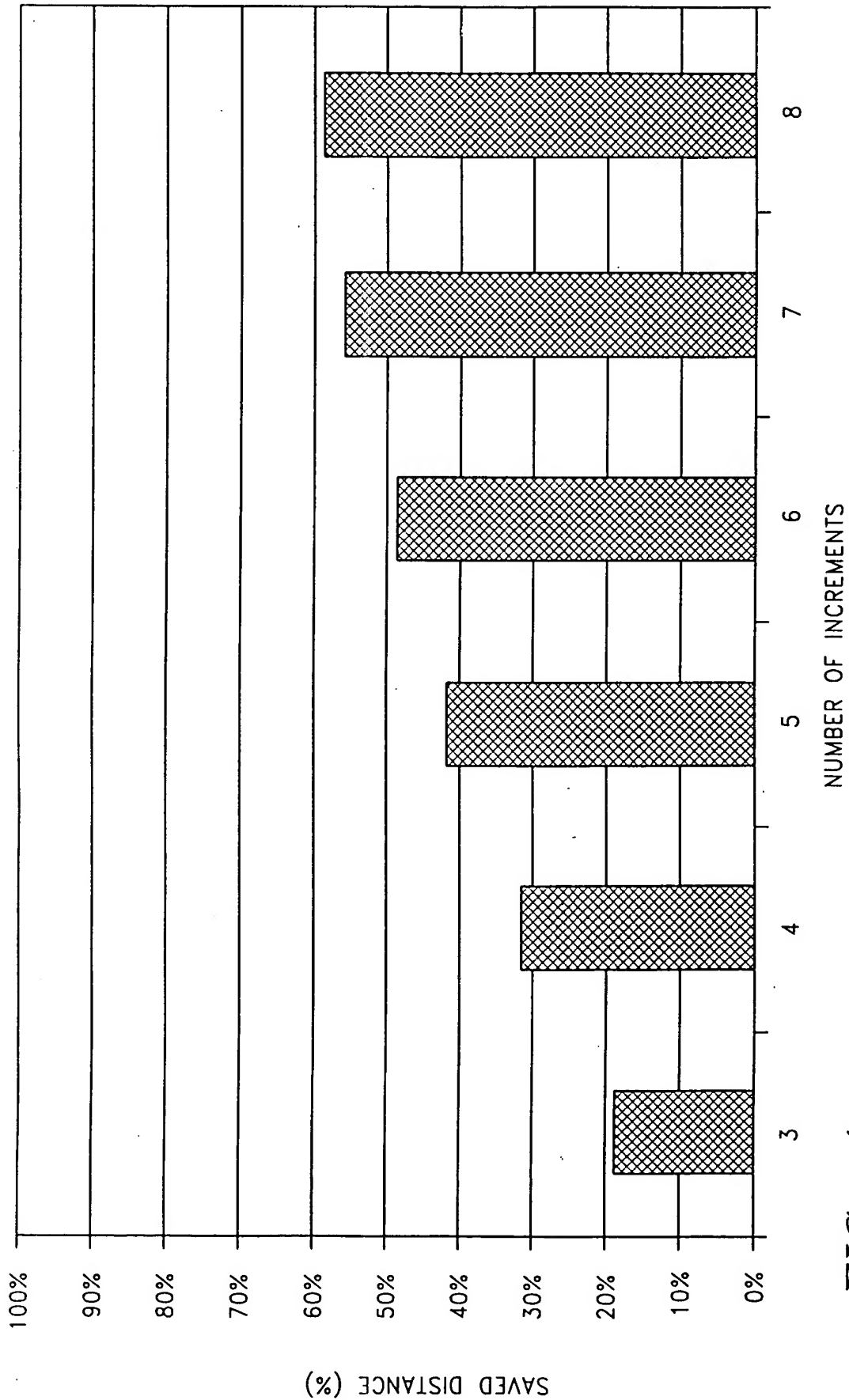


FIG. 4

INCREMENTAL STEP DRILLING SYSTEM AND METHOD

Weber et al.

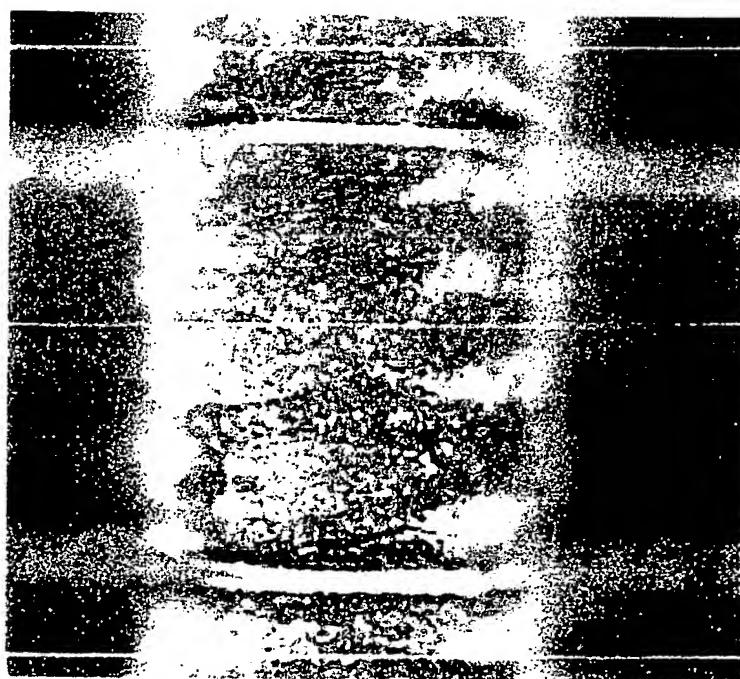
Appl. No.: 10/041,767 Atty Docket: EXCLN.098A

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*FIG. 5A*  
(PRIOR ART)



*FIG. 5B*

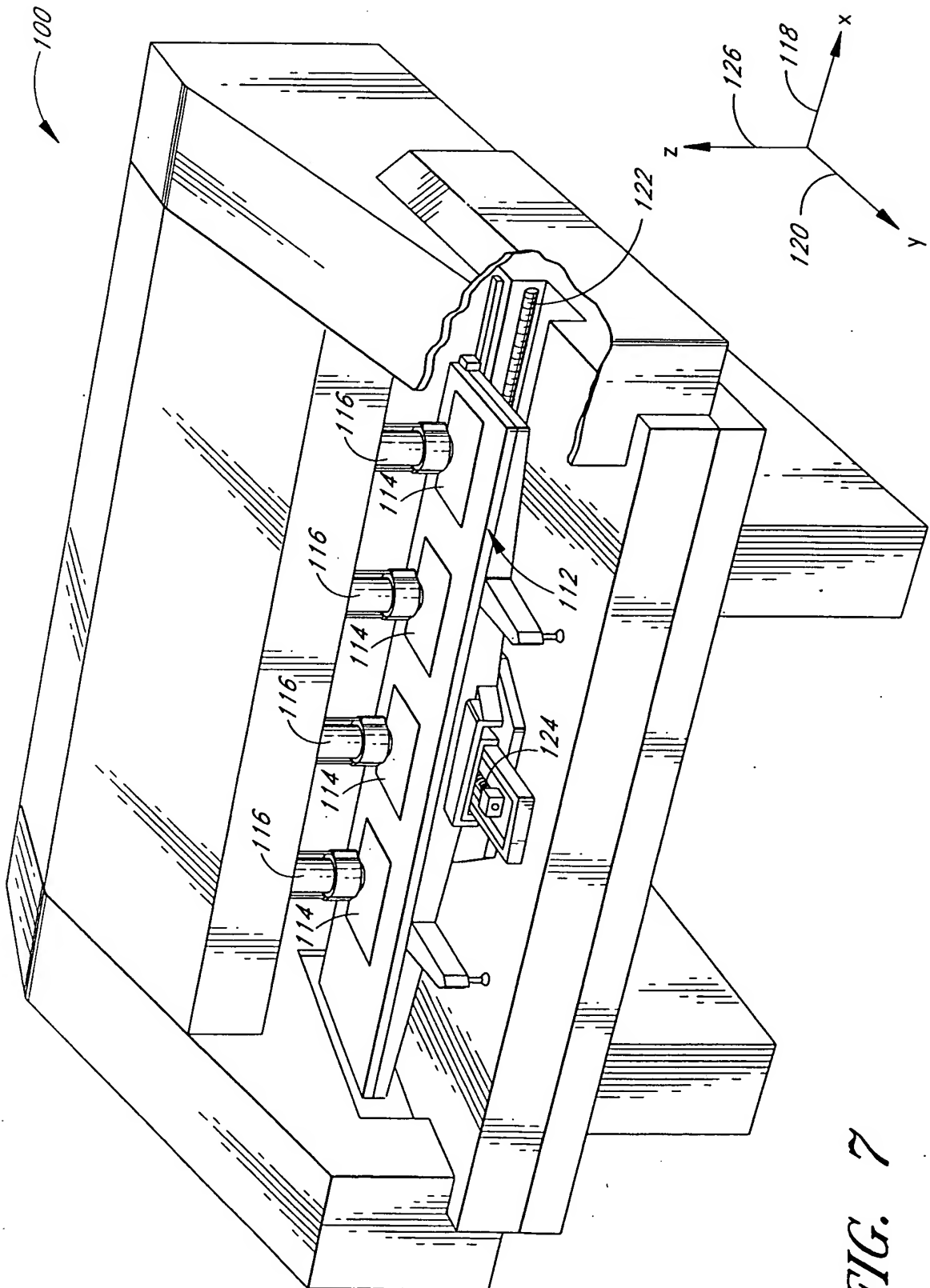


*FIG. 6A*  
(PRIOR ART)



*FIG. 6B*

BEST AVAILABLE COPY



# INCREMENTAL STEP DRILLING SYSTEM AND METHOD

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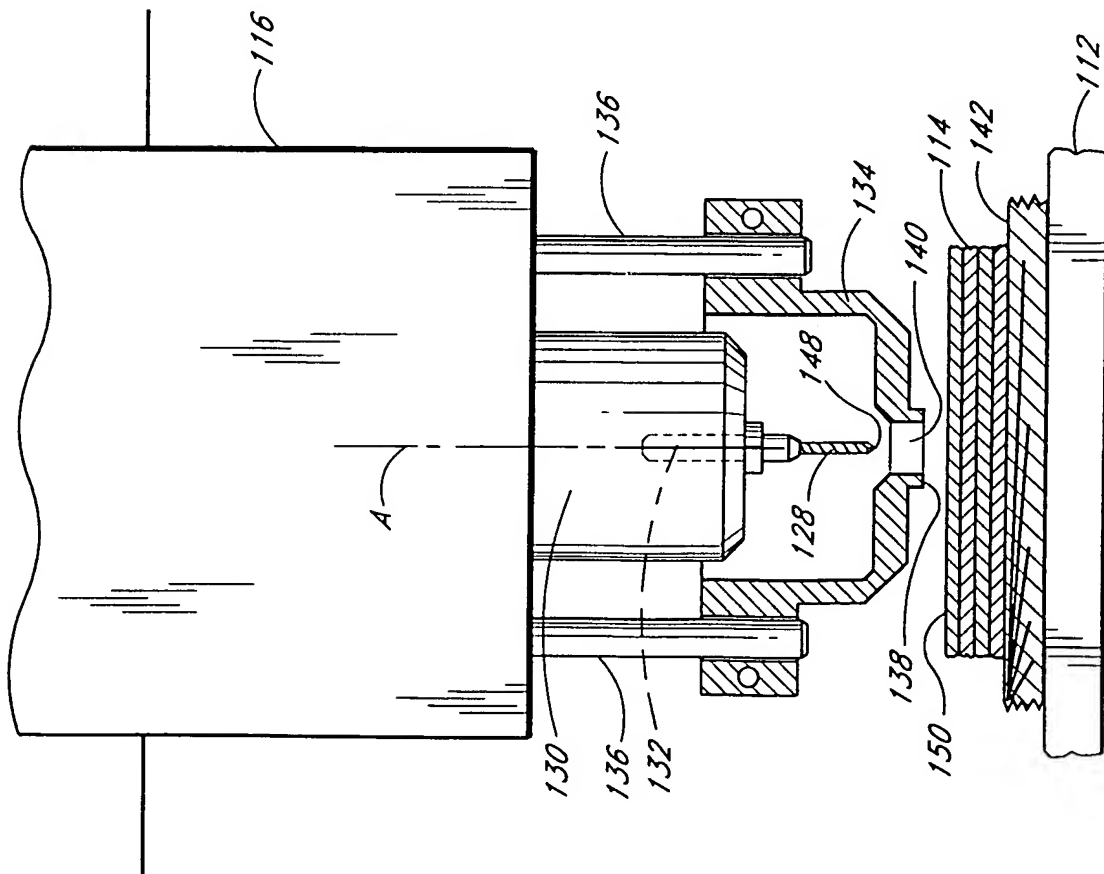


FIG. 8

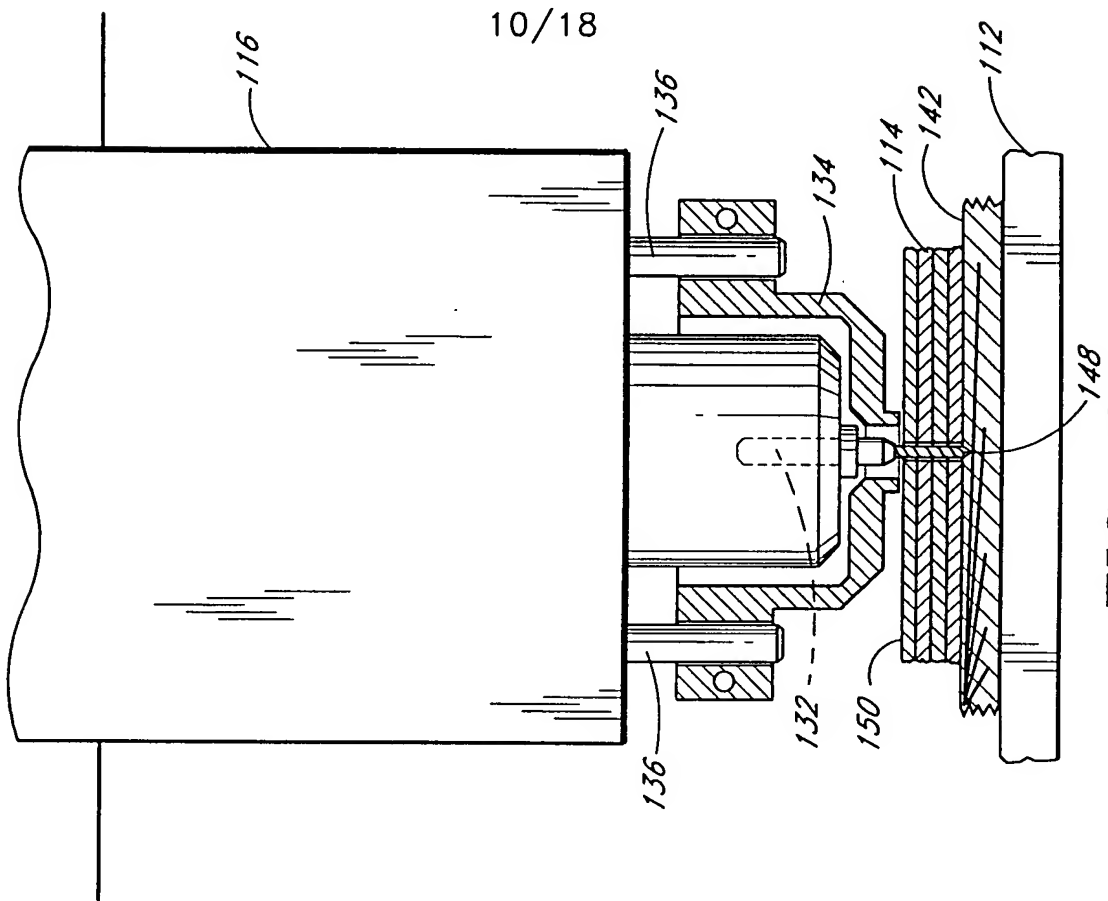


FIG. 9

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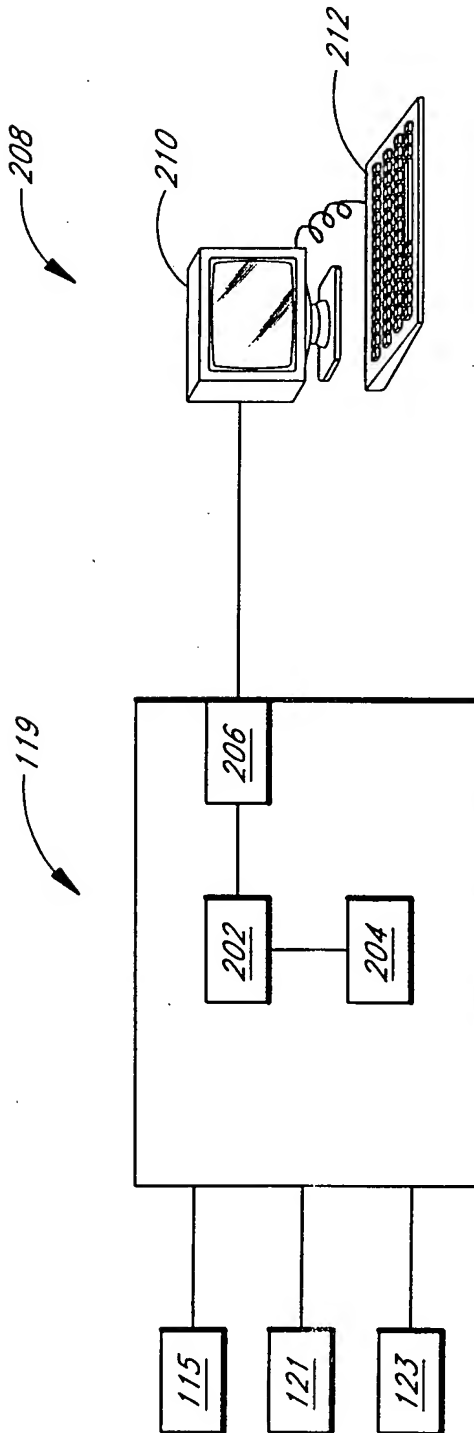


FIG. 10

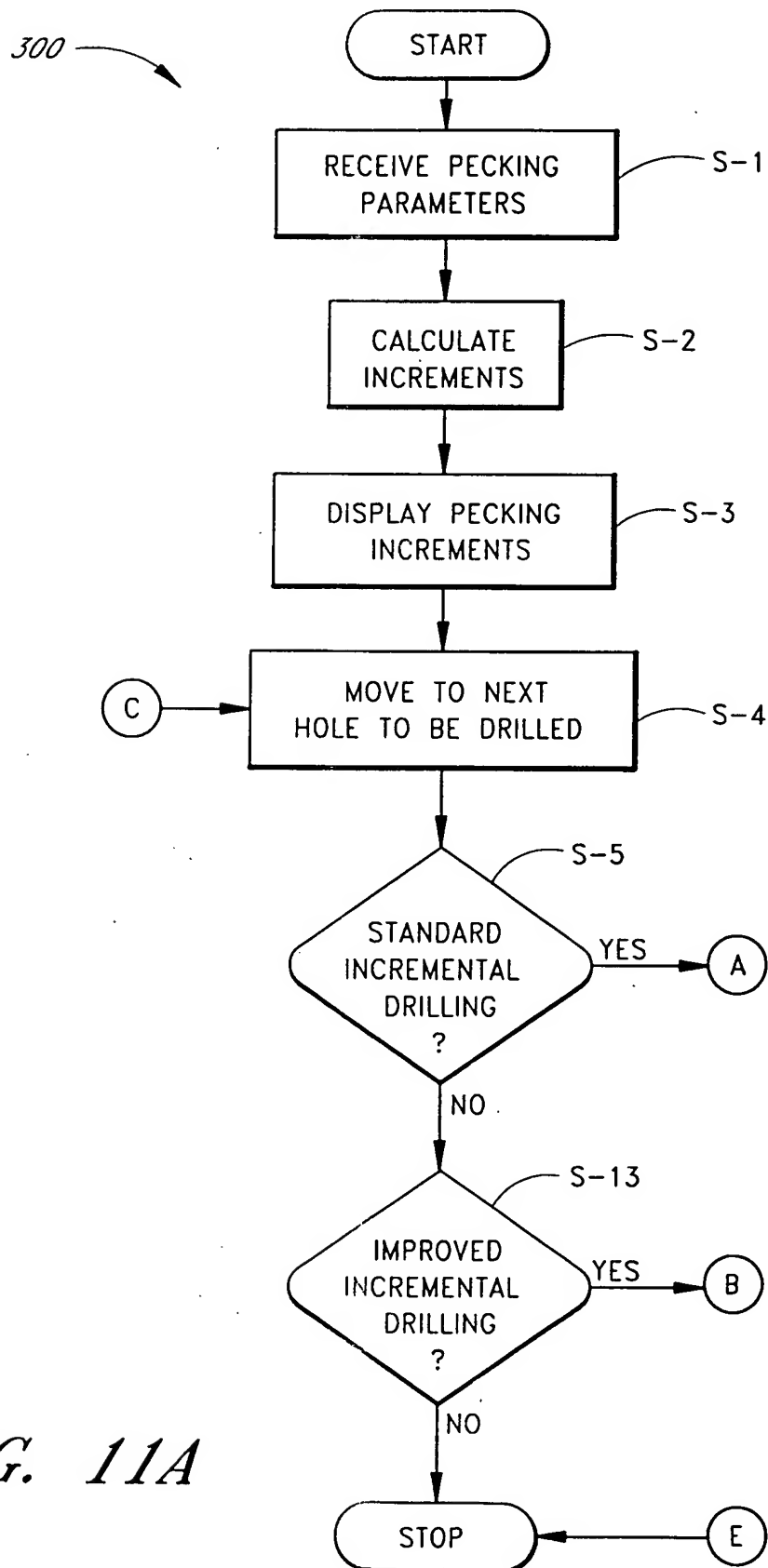


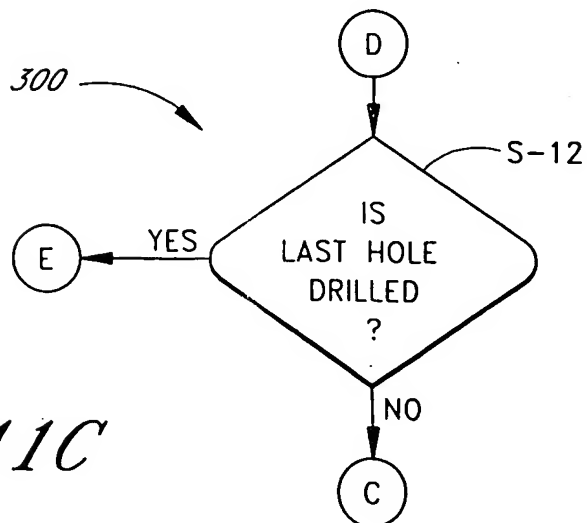
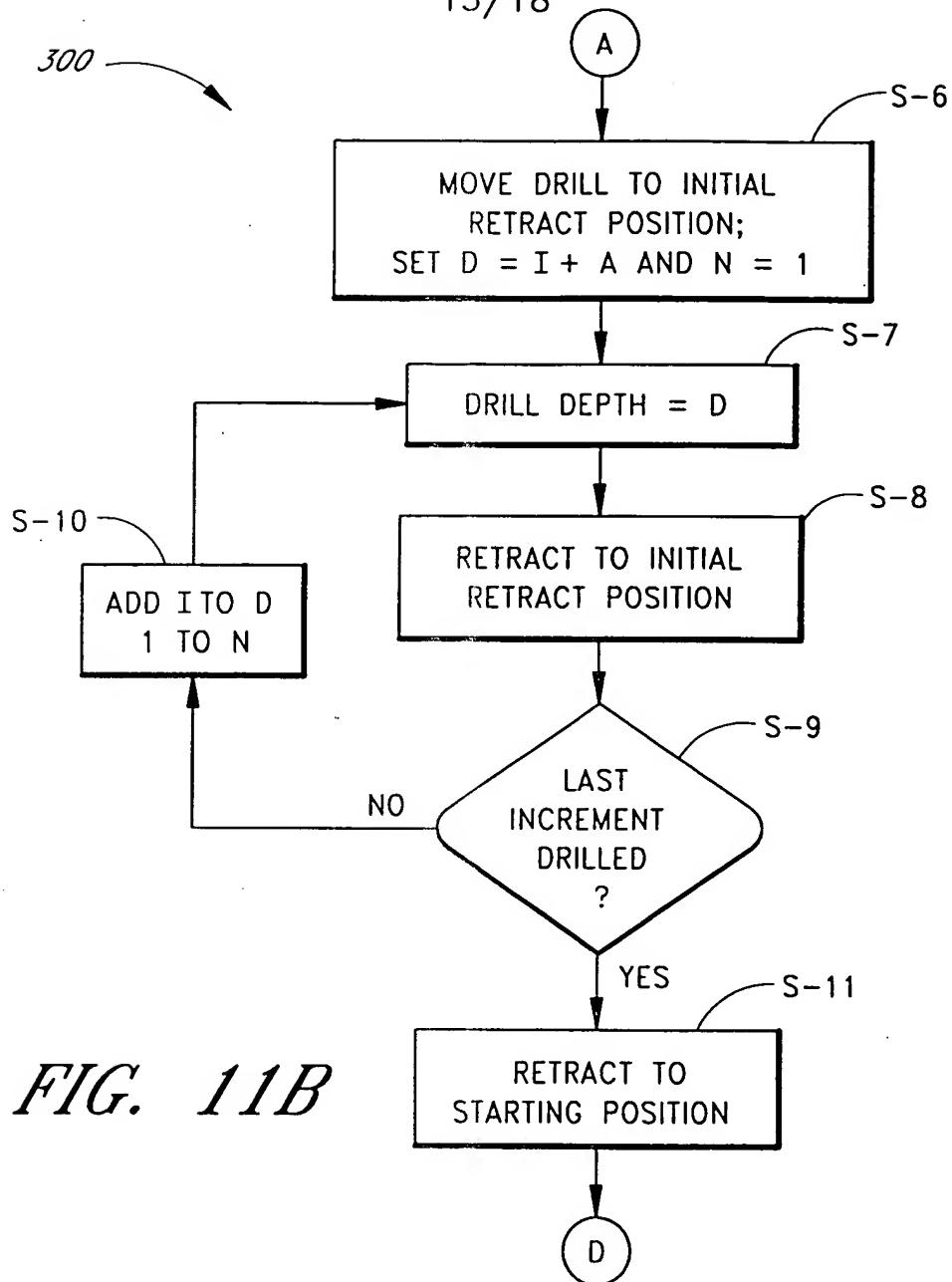
FIG. 11A

# INCREMENTAL STEP DRILLING SYSTEM AND METHOD

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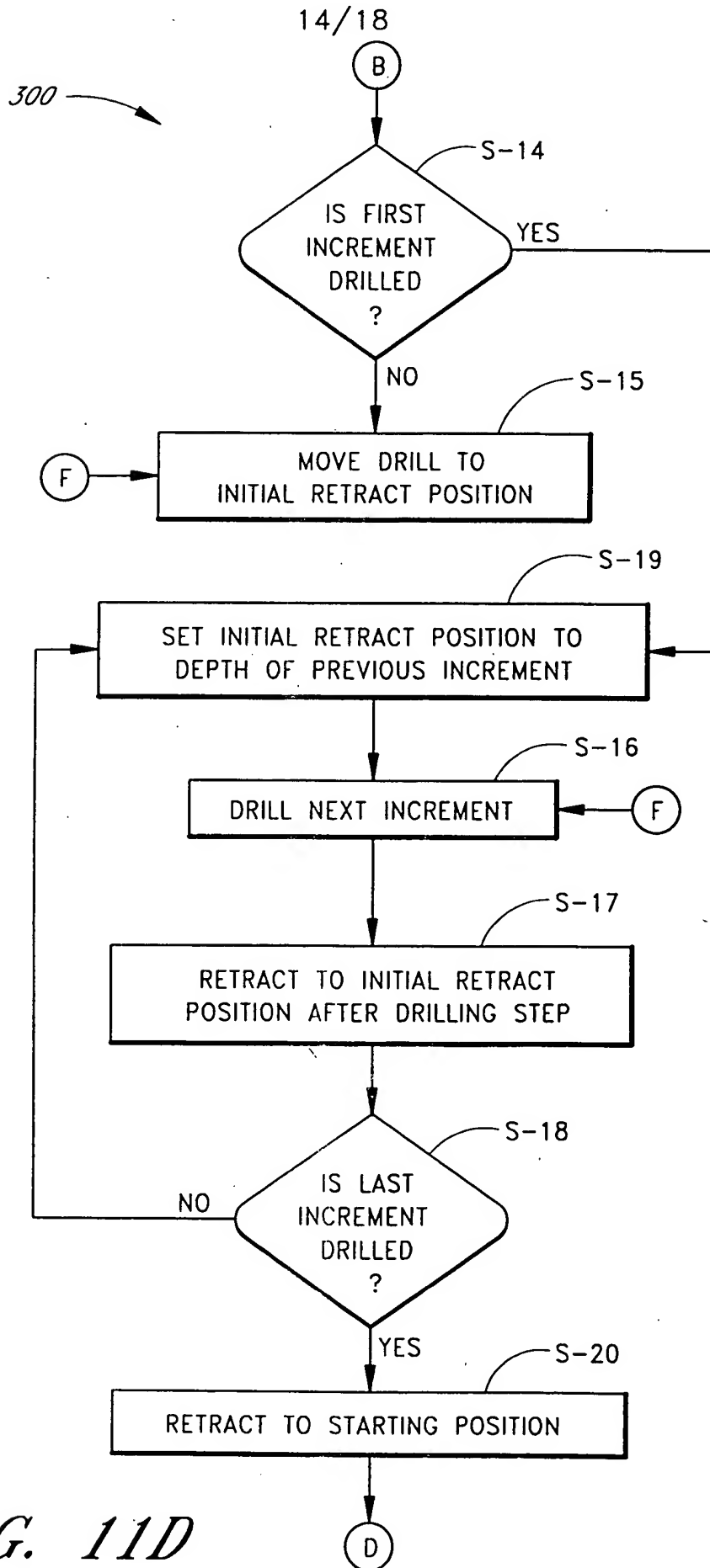


FIG. 11D

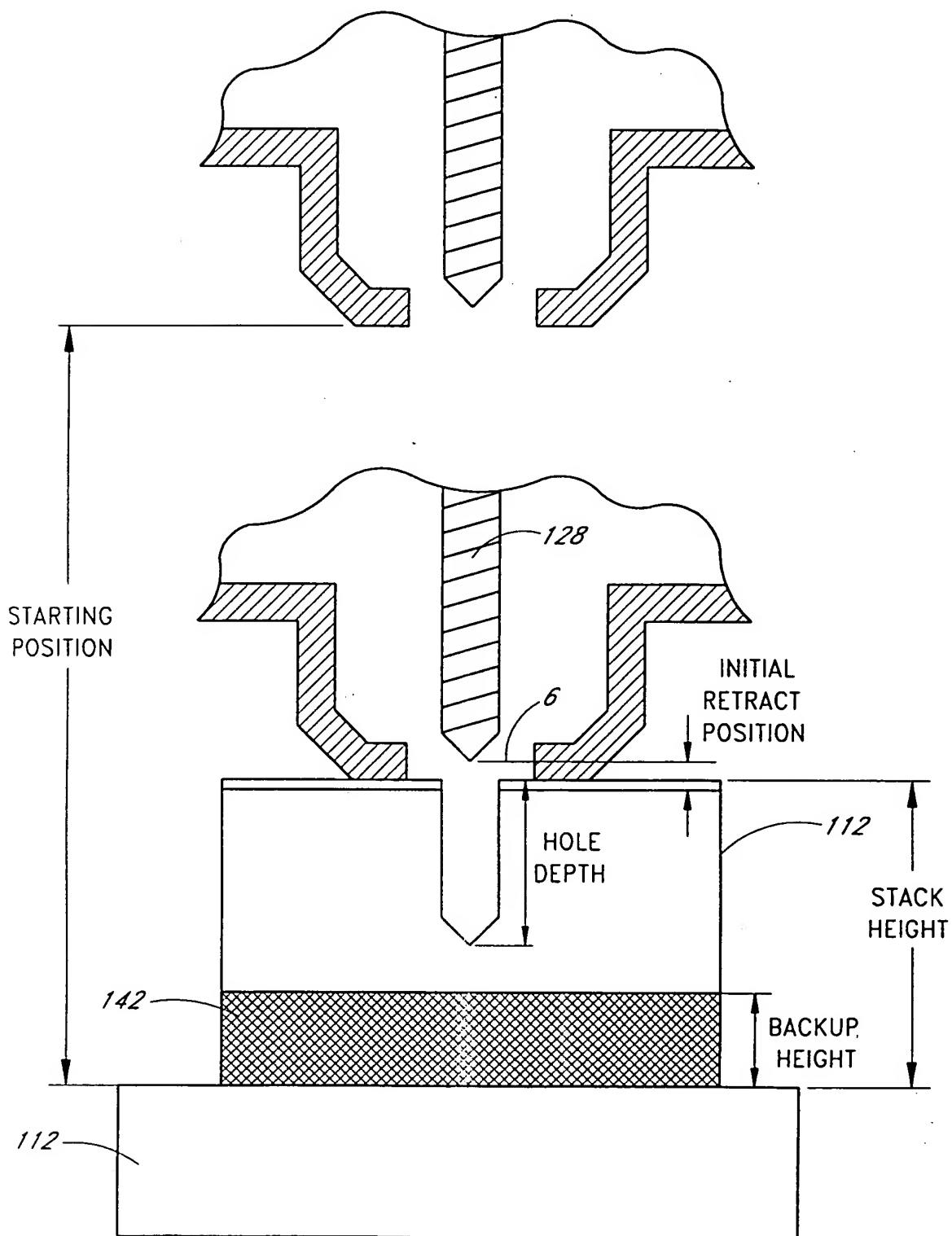


FIG. 12

302a

PECK DRILLING SETUP PAGE									
—	PECKING STATUS	PECK TOOLS	STACK HEIGHT	NO. OF PECKS	UPPER LIMIT	2nd UP LIMIT	LOWER LIMIT	BOFS	MINIMUM STROKE
ON	01	.2640	3	.300	.015	FINAL DEPTH	.063	.0000	.005

304a

306a

310a

312a

314a

316a

318a

320a

322a

324a

FIG. 13A

PECK DEPTH	SHOWS THE INCREMENTAL HOLE DEPTH PER PECK FROM THE TOP OF THE STACK							
	1	2	3	4	5	6	7	8
1	-.089							
2	-.045	-.089						
3	-.030	-.059	-.089					
4	-.022	-.045	-.067	-.089				
5	-.018	-.036	-.053	-.071	-.089			
6	-.015	-.030	-.045	-.059	-.074	-.089		
7	-.013	-.025	-.038	-.051	-.064	-.076	-.089	
8	-.011	-.022	-.033	-.045	-.056	-.067	-.078	-.089

FIG. 14A

302b

PECK DRILLING SETUP PAGE									
—	PECKING STATUS	PECK TOOLS	STACK HEIGHT	NO. OF PECKS	UPPER LIMIT	2nd UP LIMIT	LOWER LIMIT	.103	—
ON	01	.7140	8	.800	-.025	FINAL DEPTH	BOFS	.375	MINIMUM STROKE
								.478	.010

304a 306a 310a 312a 314a 316a 322a 324a 318a 320a

FIG. 13B

PECK DEPTH	SHOWS THE INCREMENTAL HOLE DEPTH PER PECK FROM THE TOP OF THE STACK							
	1	2	3	4	5	6	7	8
1	-.257							
2	-.129	-.257						
3	-.086	-.171	-.257					
4	-.064	-.129	-.193	-.257				
5	-.051	-.103	-.154	-.206	-.257			
6	-.043	-.086	-.129	-.171	-.214	-.257		
7	-.037	-.073	-.110	-.147	-.184	-.220	-.257	
8	-.032	-.064	-.096	-.129	-.161	-.193	-.225	-.257

FIG. 14B

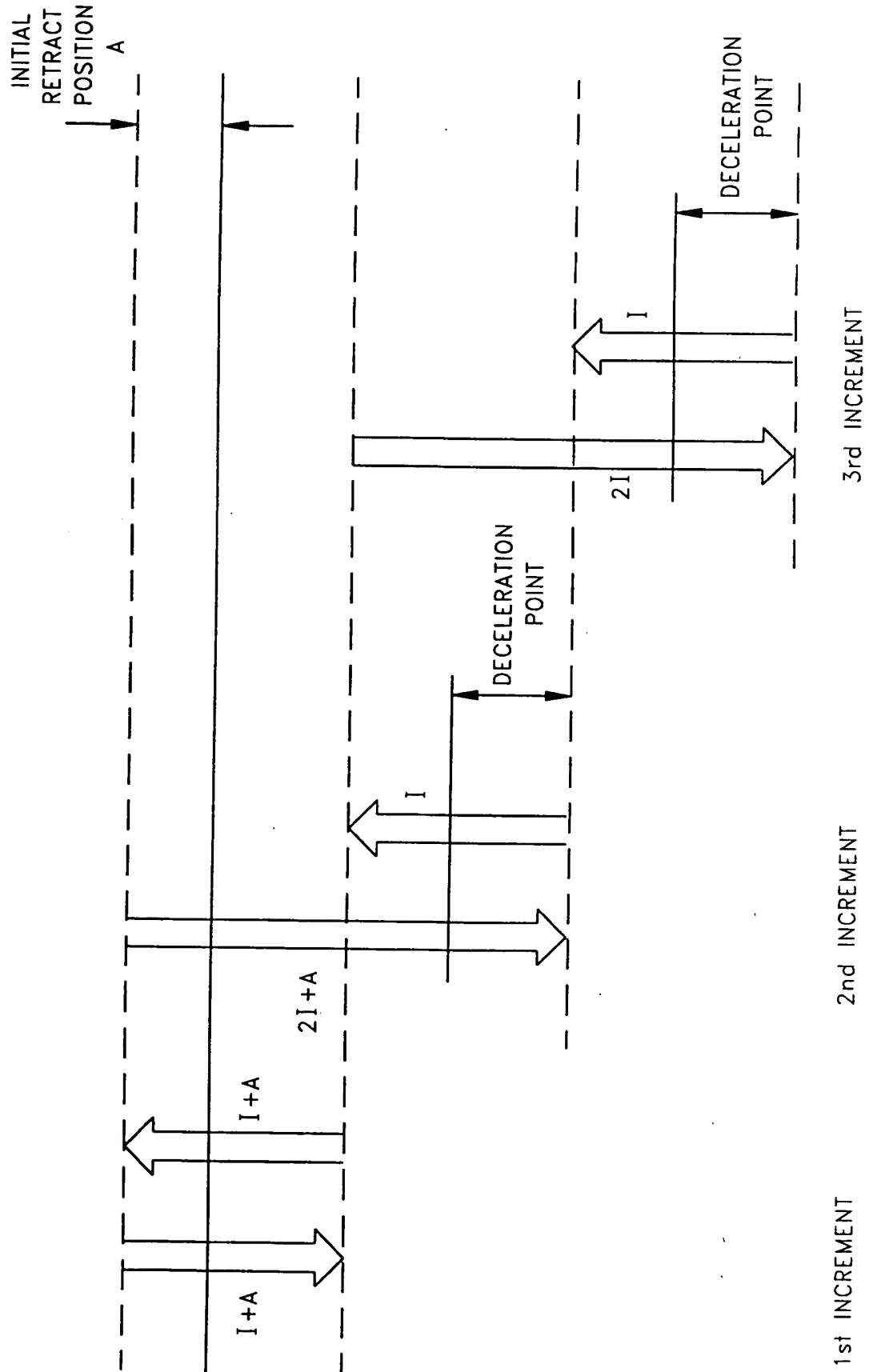


FIG. 15